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PN - JP2000095989 A 20000404
PD - 2000-04-04
PR - JP19980266230 19980921
OPD - 1998-09-21
TI - INK FOR WRITING UTENSIL, WRITING UTENSIL, AND METHOD
FOR DISCRIMINATING SIGNATURE
IN - IIZUKA MIKIO
PA - PILOT KK
EC - C09D11/16
IC - C09D11/16 ; B43K5/00 ; B43K7/00 ; B43K8/00 ; C12Q1/68 ;
G01N33/50

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TI - Ink for writing implement contains deoxyribonucleic acid containing
material
PR - JP19980266230 19980921
PN - JP3347296B2 B2 20021120 DW200282 C09D11/16 003pp
- JP2000095989 A 20000404 DW200028 C09D11/16 003pp
PA - (PILO) PILOT CORP
IC - B43K5/00 ;B43K7/00 ;B43K8/00 ;C09D11/16 ;C12Q1/68
;G01N33/50
AB - JP2000095989 NOVELTY - An ink contains deoxyribonucleic acid
containing material.
- DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also
included for method of identifying signature which involves
removing deoxyribonucleic acid from the handwritten signature,
evaluating and comparing with standard deoxyribonucleic acid type
signature.
- USE - For writing implement (claimed).
- ADVANTAGE - The ink enables easy identification of forgery
signatures.
- (Dwg.0/0)
OPD - 1998-09-21
AN - 2000-321825 [28]

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- IN - IIZUKA MIKIO
- PA - PILOT CORP
- TI - INK FOR WRITING UTENSIL, WRITING UTENSIL, AND METHOD FOR DISCRIMINATING SIGNATURE
- AB - PROBLEM TO BE SOLVED: To obtain an ink which enables a signature to be confirmed as that of the signer by incorporating a substance contg. deoxyribonucleic acid of the signer into the same.
- SOLUTION: A substance, such as the blood, saliva, hair, nail, skin, or the like, of a signer is incorporated. The ink is prepd. by compounding 1-15 wt.% colorant comprising a dye or pigment, 0.1-10 wt.% deoxyribonucleic acid-contg. substance, and water accounting for the rest. An ultraviolet absorber is pref. incorporated in order to protect deoxyribonucleic acid from the effects of ultraviolet rays. The addition of a chelating agent, such as EDTA, as a sequestering agent for divalent metal ions, e.g. Mg^{2+} , is pref. to suppress the activity of an enzyme capable of decomposing deoxyribonucleic acid. When blood is used, the addition of an anticoagulant is pref. In confirming a signature, an ink contg. a deoxyribonucleic acid-contg. substance of the signer is used for signing; deoxyribonucleic acid is taken out of the signature and subjected to judgment of type; and the comparison with the type of deoxyribonucleic acid of the signer is carried out.
- I - C09D11/16 ;B43K5/00 ;B43K7/00 ;B43K8/00 ;C12Q1/68 ;G01N33/50